



Customer Reference No:1-4TS-37

Innovation & Regulatory Compliance
PO Box 56373
London, SE1 9SZ

Direct Line:
E-Mail:Innovation.licensing@ofcom.org.uk

29 January 2020

Dear Sir/Madam,

Innovation and Research - Licence

Following your recent application for a Innovation and Research licence, please find enclosed your licence document, which contains the terms and conditions governing the legal operation of your system. Please check the document carefully to ensure the licence meets your requirements. If you consider that it does not, you should contact Ofcom within one calendar month of the date of this letter at the address shown above.

At any time, your installation may be inspected by Ofcom to make sure it complies with our requirements and does not cause interference to other users.

Similarly, if you make changes to the accounts address or any other contact address, please inform Ofcom immediately so that our records can be updated. Please always quote your Customer Account Number/Licence Number when contacting us.

Your licence is an important document. Please keep it - and any subsequent documents - in a safe place for future reference.

Yours faithfully,

Copies of this letter have been sent to:

Licensees : University Road SOUTHAMPTON SO17 1BJ

Contact :

Licence Agent :

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Wireless Telegraphy Act 2006

Innovation and Research

Sector/class/product	Science and Technology / Innovation and Research / 601010
Licence number	1220604/1
Licensee	University Of Southampton
Licensee address	University Road SOUTHAMPTON SO17 1BJ
Date	29/01/2020
Valid from	28/01/2020
End Date	31/12/2020

1. This Licence is issued by the Office of Communications ("Ofcom") on **29 January 2020** and replaces any previous authority granted in respect of the service subject to this Licence by Ofcom or by the Secretary of State.
2. This Licence authorises **University Of Southampton** to establish, install and/or use Innovative radio transmitting and/or receiving stations and/or radio apparatus as described in the schedule(s) (hereinafter together called "the Radio Equipment") subject to the terms set out below and subject to the terms of the General Licence Conditions booklet.(Version OF195.1).

ISSUED BY OFCOM

Innovation and Research Licence

SCHEDULE 1 TO LICENCE NUMBER 1220604/1 DESCRIPTION OF RADIO EQUIPMENT COVERED BY THIS LICENCE

This schedule forms part of Licence **1220604/1**, issued to **University Of Southampton**, the Licensee on **29/01/2020**, and describes the Radio Equipment covered by the Licence and the purpose for which the Radio Equipment may be used.

1. Description of the Radio Equipment licensed

- 1.1 In this Licence, the Radio Equipment means sending and receiving station(s) ("base stations") and sending and receiving station(s) ("mobile stations") for wireless telegraphy as defined in paragraph 2 below.

2. Purpose of the Radio Equipment

- 2.1 Subject to the administrative and technical requirements set out in this and the subsequent schedule(s) to this Licence, the Licensee and any person authorised to act on the Licensee's behalf is hereby authorised to:
- (a) send and receive transmissions between the base station(s) and the mobile station(s); and/or
 - (b) send and receive transmissions between the mobile stations.

3. Licence Term

- (a) The Licence shall continue in force for the period stated in the schedule (to a maximum of twelve months) unless revoked earlier by Ofcom or surrendered by the Licensee.
- (b) This Licence is not renewable

4. Radio Equipment Use

- 4.1 The Licensee must ensure that the Radio Equipment is established, installed and operated in accordance with the provisions of this Licence including the schedules to the Licence.

5. Special Conditions Relating To The Activities Of The Licensee

- 5.1 The Licensee shall:
- (a) Only operate Radio Equipment on a Non Protected and Non Interference basis
 - (b) Only operate equipment on a Non-Operational basis
 - (c) Use measurement equipment to verify from time to time that the Radio Equipment is operating at the frequency and within the frequency tolerance, with the class of emission and at or below the maximum power specified in schedule 2;

- (d) Not transmit until it has been confirmed as far as reasonably possible that the proposed frequency is not in use at the time of the proposed transmission;
- (e) Not transmit for longer than the minimum necessary for the purpose of the particular project or operation being performed; and
- (f) Use the Radio Equipment:
 - i) As far as possible under suppressed radiation conditions; and
 - ii) Where this is not possible at the minimum power necessary for a particular project or operation being performed and only use the maximum power permitted, not exceeding that specified in the Schedule(s), when necessary

6. Interpretation

6.1 In the Licence, unless the context otherwise requires:

- (a) "Non-Operational" means non-commercial and not for (or in connection with) the provision of any services or sale of goods
- (b) "Development" means experimentation and/or innovation
- (c) "Innovative" means new or not currently in general use
- (d) "Non Protected" means that protection will not be given from harmful interference received from other authorised services
- (e) "Non Interference" means that the Radio Equipment must not cause harmful interference to any other authorised services

Innovation and Research

SCHEDULE 2

Licence No	1220604/1	Valid from	28/01/2020	End Date	31/12/2020
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Purpose of Licence

Licence application TAD 5859.

GSM network training.

1831.7-1876.7MHz is authorised for use only until 23 June 2020.

Station 1 details

Base Station Address	Building 59, University of Southampton, Highfield, Southampton, SO17 1BJ
Base Station NGR	SU 424 154
Maximum ERP (dbW)	-15.00

Site Contact Name	
Telephone No:	Fax No:

Antenna details

Antenna Type	07 - Omni-directional
Antenna Gain (dB)	2.00
Antenna Tilt (degrees)	
Antenna Height above ground (m)	5

Transmitting frequency	Channel width	Class of Emission
942.500000 MHz	35.000000 MHz	271KF7W
1,842.500000 MHz	75.000000 MHz	271KF7W